



IBMYP Year 1 Mathematics Year 6: Assessment Criteria

What are we studying in Maths this year?

In our Maths classes this year, we will develop important problem solving, organizational, cooperative, and communicative skills. Through the main units of Numbers, Algebra, Statistics and Probability, and Geometry and Trigonometry, we will learn how to use numbers, words, pictures, and objects to solve more than answers or solutions. The textbook is one such tool (not the only one) that we will use to develop our Maths skills. In fact, we will learn how to express our methods of solving equations or problems. This is why it is important to reflect/think about our own work.

What are Assessment Tasks?

Assessment tasks are activities that help us evaluate our own work and learning. In addition to exercises from the textbook, cross-curricular projects, assignments involving the "real world", cooperative activities, and tests will be used to assess what we learn in Maths.

How do we "mark" these assessment tasks?

Criterion A (8)	KNOWLEDGE and UNDERSTANDING: <ul style="list-style-type: none">• Knows and understands the concepts and demonstrate skills of the course syllabus• Can solve most problems including those different from the ones we had done in class
Criterion B (8)	INVESTIGATING PATTERNS <ul style="list-style-type: none">✍ Recognize patterns✍ Finds patterns and use correct Maths language and make conclusions✍ Apply skills practically
Criterion C (6)	COMMUNICATION IN MATHEMATICS <ul style="list-style-type: none">✍ Completes tasks neatly and in an organized manner✍ Use Maths language to support explanations orally and on paper✍ Presents work with appropriate technology and in different ways: pictures, words, dialogue, numbers
Criterion D (6)	REFLECTION IN MATHEMATICS <ul style="list-style-type: none">✍ All reflections and evaluations are given honestly and clearly✍ Considers importance of answers and solutions✍ Make predictions for the future✍ Considers alternative approaches

We are assessed in 4 criteria (areas) in Maths. Explanations within each area help us understand how well an assessment task was done. It is also important to understand that all 4 criteria are significant.

*Further details could be found on the assessment wiki:

<http://vsamathsassessments.wikispaces.com/MYP+Criteria>

MYP Assessment Criteria

Grade 6-8 descriptors

	Criterion A	Criterion B
1-2	The student demonstrates basic mathematical understanding with some success when solving problems in familiar situations.	The student is able to use a simple problem-solving technique so that patterns can emerge.
3-4	The student demonstrates reasonable mathematical understanding when solving simple problems and some more complex ones in familiar situations.	The student is able to select and apply an appropriate problem-solving technique, and can describe the emerging pattern.
5-6	The student demonstrates good mathematical understanding when solving problems and achieves some success with the more challenging problems.	The student can select and apply appropriate problem-solving techniques, and can suggest a mathematical rule to describe an emerging pattern.
7-8	The student demonstrates excellent mathematical understanding when solving all problems including the most challenging, and problems set in unfamiliar situations.	The student can select and apply appropriate problem-solving techniques, and can offer, with sensible reasons, a correct mathematical rule to describe an emerging pattern.

	Criterion C	Criterion D
1-2	The student uses basic mathematical language and symbols but there may be several serious errors or omissions.	The student comments on how the results make sense in the context of the problem.
3-4	The student uses mathematical language and symbols in a consistent and accurate way with few errors. Explanations are generally clear. Diagrams (such as charts and graphs) are constructed with reasonable accuracy.	The student explains how the results or findings make sense in a real-life context and/or in the context of the problem. There is a comment on the degree of accuracy or reliability of answers.
5-6	The student uses symbols and vocabulary accurately. Explanations are clear and easy to follow and make good mathematical sense. All forms of representation are clear and accurate.	The student explains in detail how the results or findings make sense in a real-life context and in the context of the problem. The degree of accuracy of answers is explained mathematically, where appropriate, alternative mathematical techniques are offered.